

TITLEORGANIC ELECTRONIC DEVICE HAVING LOW BACKGROUND
LUMINESCENCEABSTRACT OF THE DISCLOSURE

5 An organic electronic device has an improved contrast ratio by
lowering background luminescence from ambient radiation source(s).
Background luminescence may be lowered by increasing absorption of
ambient radiation, by reducing reflection of ambient radiation, or a
combination of the two. Lower background luminescence can be achieved
10 by using one or more black layers or lattices that are incorporated within
the organic electronic device. Also, a large number of materials can be
used for high absorbance layers. A change in materials for the electronic
device may not be needed, and therefore, new material compatibility
issues may not arise. Further, from an electronic performance standpoint,
15 some layers may not be too sensitive to thickness and a plurality of narrow
ranges of thicknesses may be used for a layer to allow a layer to have the
proper electrical and optical properties. The embodiments obviate the
need for a circular polarizer.